Lake Benbrook - Sample Information					
TCEQ Site ID # - 15151			ICR Prefix - none		
#	Date Sampled	Sample ID	Clump?	MS?	Matrix Spike ID
1	3/7/2001	2001-0308-021		Y	2001-0308-022
2	4/10/2001	2001-0411-029			
3	5/8/2001	2001-0509-032			
4	6/5/2001	2001-0606-019			
5	7/2/2001	2001-0703-005			
6	8/7/2001	2001-0808-005			
7	9/4/2001	2001-0905-011			
8	10/2/2001	2001-1003-005			
9	11/6/2001	2001-1107-027			
10	12/4/2001	2001-1205-008			
11	1/8/2002	2002-0111-004			
12	2/12/2002	2002-0213-003			
13	3/5/2002	2002-0306-012			
14	4/9/2002	2002-0410-011			
15	5/7/2002	2002-0508-008			
16	6/4/2002	2002-0605-017			
17	7/23/2002	2002-0724-021			
18	8/6/2002	2002-0807-010			
19	9/10/2002	2002-0911-008			
20	10/8/2002	2002-1009-016		Y	2002-1009-017
21	11/5/2002	2002-1106-018			
22	12/3/2002	2002-1204-011			
23	1/7/2003	2003-0108-025			
24	2/4/2003	2003-0205-018			
25	3/4/2003	2003-0305-019			
26	4/8/2003	2003-0409-023			
27	5/6/2003	2003-0507-045			
28	6/3/2003	2003-0604-022			
29	7/8/2003	2003-0709-015			
30	8/5/2003	2003-0806-036			
31	9/9/2003	2003-0910-037			
32	10/7/2003	2003-1008-009			
33	11/4/2003	2003-1105-011			
34	12/9/2003	2003-1210-038			
35	1/12/2004	2004-0113-025			
36	2/3/2004	2004-0204-031			
37	3/9/2004	2004-0310-020			
38	4/6/2004	2004-0407-007			
39	5/4/2004	2004-0505-032			
40	6/8/2004	2004-0609-043		Y	2004-0609-044
41	7/6/2004	2004-0707-048			
42	8/3/2004	2004-0804-025			
43	9/7/2004	2004-0908-014			
44	10/5/2004	2004-1006-043			
45	11/2/2004	2004-1103-043			
46	12/7/2004	2004-1208-036			
47	1/4/2005	2005-0105-039			
48	2/8/2005	2005-0209-050			

RECEIVED
6/16/06

Analytical Services, Inc.

Client: Tarrant Regional Water District
Address: 140 FM416
Streetman, TX 75859-3019

Report Date: March 19, 2001
Sample Receipt Date: March 8, 2001
Analyst: cjf

USEPA Method 1623[1] *Giardia* and *Cryptosporidium* Analytical Report

ASI Sample ID #: 2001-0308-021

Sample Information

Client Sample ID:	BB-03-01-Proto-1
Collection Date:	March 7, 2001
Collection Time:	0950 hrs
Matrix:	raw surface water
Sample Turbidity (NTU):	15.0
Sample Type[2]:	field

Volume Information

Filter Type:	Gelman Envirochek
Volume Filtered (L):	10.0
Volume Examined (L):	10.0

Analytical Results

ANALYTE	TOTAL MICROSCOPIC COUNT / VOLUME EXAMINED	CALCULATED # / L
Giardia	0	0
Cryptosporidium	0	0

[1] **Method:** Samples processed, stained and examined using USEPA Method 1623: *Cryptosporidium* and *Giardia* in Water by Filtration, Immunomagnetic separation (IMS), and Immunofluorescence Assay (IFA) Microscopy (USEPA).

[2] **Note:** A Matrix Spike (MS) was performed with this sample. An MS entails spiking and analyzing a separate field sample to determine the effect of the water matrix on the method's oocyst and cyst recovery. MS samples are analyzed when samples are first received from a new source and every 20th sample thereafter. Percent recoveries are calculated for MS samples to evaluate the acceptance criteria of method performance. Calculations are corrected for organisms found in source water.

RECEIVED
6/16/06

Project No.: 2001-0308-016

Analytical Services, Inc.

Client: Tarrant Regional Water District
Address: 140 FM416
Streetman, TX 75859-3019

Report Date: March 19, 2001
Sample Receipt Date: March 8, 2001
Analyst: map

USEPA Method 1623[1] *Giardia* and *Cryptosporidium* Analytical Report Matrix Spike

ASI Sample ID #: 2001-0308-022

Sample Information

Client Sample ID:	BB-03-01-Proto-2
Collection Date:	March 7, 2001
Collection Time:	0950 hrs
Matrix:	raw surface water
Sample Turbidity (NTU):	15.0
Sample Type[2]:	Matrix Spike

Volume Information

Filter Type:	Gelman Envirochek
Volume Filtered (L):	10.0
Volume Examined (L):	10.0

Analytical Results

ANALYTE	NUMBER OF ORGANISMS SEEDED / LITER	TOTAL MICROSCOPIC COUNT / LITER	PERCENT RECOVERY
Giardia	28.7	18.4	64.0
Cryptosporidium	41.9	19.0	45.3

[1] **Method:** Samples processed, stained and examined using USEPA Method 1623: *Cryptosporidium* and *Giardia* in Water by Filtration, Immunomagnetic separation (IMS), and Immunofluorescence Assay (IFA) Microscopy (USEPA).

[2] **Note:** A Matrix Spike entails spiking and analyzing a separate field sample to determine the effect of the water matrix on the method's oocyst and cyst recovery. MS samples are analyzed when samples are first received from a new source and every 20th sample thereafter. Percent recoveries are calculated for MS samples to evaluate acceptance criteria of method performance. Calculations are corrected for organisms found in source water.

Project No.: 2001-0308-016

Analytical Services, Inc.

Client: Tarrant Regional Water District
Address: 140 FM416
Streetman, TX 75859-3019

Report Date: April 17, 2001
Sample Receipt Date: April 11, 2001
Analyst: map

USEPA Method 1623[1] *Giardia* and *Cryptosporidium* Analytical Report

ASI Sample ID #: 2001-0411-029

Sample Information

Client Sample ID:	BB-04-01-Proto
Collection Date:	April 10, 2001
Collection Time:	0932 hrs
Matrix:	raw surface water
Sample Turbidity (NTU):	16.5
Sample Type[2]:	field

Volume Information

Filter Type:	Gelman Envirochek
Volume Filtered (L):	10.0
Volume Examined (L):	10.0

Analytical Results

ANALYTE	TOTAL MICROSCOPIC COUNT / VOLUME EXAMINED	CALCULATED # / L
Giardia	0	0
Cryptosporidium	0	0

[1] **Method:** Samples processed, stained and examined using USEPA Method 1623: *Cryptosporidium* and *Giardia* in Water by Filtration, Immunomagnetic separation (IMS), and Immunofluorescence Assay (IFA) Microscopy (USEPA).

[2] **Note:** A Matrix Spike (MS) was not performed with this sample. An MS entails spiking and analyzing a separate field sample to determine the effect of the water matrix on the method's oocyst and cyst recovery. MS samples are analyzed when samples are first received from a new source and every 20th sample thereafter. Percent recoveries are calculated for MS samples to evaluate the acceptance criteria of method performance. Calculations are corrected for organisms found in source water.

Analytical Services, Inc.

Client: Tarrant Regional Water District
Address: 140 FM416
Streetman, TX 75859-3019

Report Date: May 21, 2001
Sample Receipt Date: May 9, 2001
Analyst: cjf

USEPA Method 1623[1] *Giardia* and *Cryptosporidium* Analytical Report

ASI Sample ID #: 2001-0509-032

Sample Information

Client Sample ID:	BB-05-01 Proto
Collection Date:	May 8, 2001
Collection Time:	0950 hrs
Matrix:	raw surface water
Sample Turbidity (NTU):	9.28
Sample Type[2]:	field

Volume Information

Filter Type:	Gelman Envirochek
Volume Filtered (L):	10.0
Volume Examined (L):	10.0

Analytical Results

ANALYTE	TOTAL MICROSCOPIC COUNT / VOLUME EXAMINED	CALCULATED # / L
Giardia	0	0
Cryptosporidium	0	0

[1] **Method:** Samples processed, stained and examined using USEPA Method 1623: *Cryptosporidium* and *Giardia* in Water by Filtration, Immunomagnetic separation (IMS), and Immunofluorescence Assay (IFA) Microscopy (USEPA).

[2] **Note:** A Matrix Spike (MS) was not performed with this sample. An MS entails spiking and analyzing a separate field sample to determine the effect of the water matrix on the method's oocyst and cyst recovery. MS samples are analyzed when samples are first received from a new source and every 20th sample thereafter. Percent recoveries are calculated for MS samples to evaluate the acceptance criteria of method performance. Calculations are corrected for organisms found in source water.

Project No.: 2001-0509-029

Analytical Services, Inc.

Client: Tarrant Regional Water District
Address: 140 FM416
Streetman, TX 75859-3019

Report Date: June 13, 2001
Sample Receipt Date: June 6, 2001
Analyst: ksf

USEPA Method 1623[1] *Giardia* and *Cryptosporidium* Analytical Report

ASI Sample ID #: 2001-0606-019

Sample Information

Client Sample ID:	BB-06-01 Proto
Collection Date:	June 5, 2001
Collection Time:	0932 hrs
Matrix:	raw surface water
Sample Turbidity (NTU):	7.05
Sample Type[2]:	field

Volume Information

Filter Type:	Gelman Envirochek
Volume Filtered (L):	10.0
Volume Examined (L):	10.0

Analytical Results

ANALYTE	TOTAL MICROSCOPIC COUNT / VOLUME EXAMINED	CALCULATED # / L
Giardia	0	0
Cryptosporidium	0	0

[1] **Method:** Samples processed, stained and examined using USEPA Method 1623: *Cryptosporidium* and *Giardia* in Water by Filtration, Immunomagnetic separation (IMS), and Immunofluorescence Assay (IFA) Microscopy (USEPA).

[2] **Note:** A Matrix Spike (MS) was not performed with this sample. An MS entails spiking and analyzing a separate field sample to determine the effect of the water matrix on the method's oocyst and cyst recovery. MS samples are analyzed when samples are first received from a new source and every 20th sample thereafter. Percent recoveries are calculated for MS samples to evaluate the acceptance criteria of method performance. Calculations are corrected for organisms found in source water.

Analytical Services, Inc.

Client: Tarrant Regional Water District
Address: 140 FM416
Streetman, TX 75859-3019

Report Date: July 12, 2001
Sample Receipt Date: July 3, 2001
Analyst: map

USEPA Method 1623[1] *Giardia* and *Cryptosporidium* Analytical Report

ASI Sample ID #: 2001-0703-005

Sample Information

Client Sample ID:	BB-07-01 Proto
Collection Date:	July 2, 2001
Collection Time:	0935 hrs
Matrix:	raw surface water
Sample Turbidity (NTU):	5.56
Sample Type[2]:	field

Volume Information

Filter Type:	Gelman Envirochek
Volume Filtered (L):	10.0
Volume Examined (L):	10.0

Analytical Results

ANALYTE	TOTAL MICROSCOPIC COUNT / VOLUME EXAMINED	CALCULATED # / L
Giardia	0	0
Cryptosporidium	0	0

[1] **Method:** Samples processed, stained and examined using USEPA Method 1623: *Cryptosporidium* and *Giardia* in Water by Filtration, Immunomagnetic separation (IMS), and Immunofluorescence Assay (IFA) Microscopy (USEPA).

[2] **Note:** A Matrix Spike (MS) was not performed with this sample. An MS entails spiking and analyzing a separate field sample to determine the effect of the water matrix on the method's oocyst and cyst recovery. MS samples are analyzed when samples are first received from a new source and every 20th sample thereafter. Percent recoveries are calculated for MS samples to evaluate the acceptance criteria of method performance. Calculations are corrected for organisms found in source water.

Analytical Services, Inc.

Client: Tarrant Regional Water District
Address: 140 FM416
Streetman, TX 75859-3019

Report Date: August 20, 2001
Sample Receipt Date: August 8, 2001
Analyst: map

USEPA Method 1623[1] *Giardia* and *Cryptosporidium* Analytical Report

ASI Sample ID #: 2001-0808-005

Sample Information

Client Sample ID:	BB-08-01 Proto
Collection Date:	August 7, 2001
Collection Time:	0915 hrs
Matrix:	raw surface water
Sample Turbidity (NTU):	3.3
Sample Type[2]:	field

Volume Information

Filter Type:	Gelman Envirochek
Volume Filtered (L):	10.0
Volume Examined (L):	10.0

Analytical Results

ANALYTE	TOTAL MICROSCOPIC COUNT / VOLUME EXAMINED	CALCULATED # / L
Giardia	0	0
Cryptosporidium	0	0

[1] **Method:** Samples processed, stained and examined using USEPA Method 1623: *Cryptosporidium* and *Giardia* in Water by Filtration, Immunomagnetic separation (IMS), and Immunofluorescence Assay (IFA) Microscopy (USEPA).

[2] **Note:** A Matrix Spike (MS) was not performed with this sample. An MS entails spiking and analyzing a separate field sample to determine the effect of the water matrix on the method's oocyst and cyst recovery. MS samples are analyzed when samples are first received from a new source and every 20th sample thereafter. Percent recoveries are calculated for MS samples to evaluate the acceptance criteria of method performance. Calculations are corrected for organisms found in source water.

Analytical Services, Inc.

Client: Tarrant Regional Water District
Address: 140 FM416
Streetman, TX 75859-3019

Report Date: September 13, 2001
Sample Receipt Date: September 5, 2001
Analyst: ksf

USEPA Method 1623[1] *Giardia* and *Cryptosporidium* Analytical Report

ASI Sample ID #: 2001-0905-011

Sample Information

Client Sample ID:	BB-09-01 Proto
Collection Date:	September 4, 2001
Collection Time:	1020 hrs
Matrix:	raw surface water
Sample Turbidity (NTU):	5.53
Sample Type[2]:	field

Volume Information

Filter Type:	Gelman Envirochek
Volume Filtered (L):	10.0
Volume Examined (L):	10.0

Analytical Results

ANALYTE	TOTAL MICROSCOPIC COUNT / VOLUME EXAMINED	CALCULATED # / L
Giardia	0	0
Cryptosporidium	0	0

[1] **Method:** Samples processed, stained and examined using USEPA Method 1623: *Cryptosporidium* and *Giardia* in Water by Filtration, Immunomagnetic separation (IMS), and Immunofluorescence Assay (IFA) Microscopy (USEPA).

[2] **Note:** A Matrix Spike (MS) was not performed with this sample. An MS entails spiking and analyzing a separate field sample to determine the effect of the water matrix on the method's oocyst and cyst recovery. MS samples are analyzed when samples are first received from a new source and every 20th sample thereafter. Percent recoveries are calculated for MS samples to evaluate the acceptance criteria of method performance. Calculations are corrected for organisms found in source water.

Analytical Services, Inc.

Client: Tarrant Regional Water District
Address: 140 FM416
Streetman, TX 75859-3019

Report Date: October 12, 2001
Sample Receipt Date: October 3, 2001
Analyst: map

USEPA Method 1623[1] *Giardia* and *Cryptosporidium* Analytical Report

ASI Sample ID #: 2001-1003-005

Sample Information

Client Sample ID:	BB-10-01 Proto
Collection Date:	October 2, 2001
Collection Time:	1000 hrs
Matrix:	raw surface water
Sample Turbidity (NTU):	7.09
Sample Type[2]:	field

Volume Information

Filter Type:	Gelman Envirochek
Volume Filtered (L):	10.0
Volume Examined (L):	6.3

Analytical Results

ANALYTE	TOTAL MICROSCOPIC COUNT / VOLUME EXAMINED	CALCULATED # / L
Giardia	0	0
Cryptosporidium	0	0

[1] **Method:** Samples processed, stained and examined using USEPA Method 1623: *Cryptosporidium* and *Giardia* in Water by Filtration, Immunomagnetic separation (IMS), and Immunofluorescence Assay (IFA) Microscopy (USEPA).

[2] **Note:** A Matrix Spike (MS) was not performed with this sample. An MS entails spiking and analyzing a separate field sample to determine the effect of the water matrix on the method's oocyst and cyst recovery. MS samples are analyzed when samples are first received from a new source and every 20th sample thereafter. Percent recoveries are calculated for MS samples to evaluate the acceptance criteria of method performance. Calculations are corrected for organisms found in source water.

Analytical Services, Inc.

Client: Tarrant Regional Water District
Address: 140 FM416
Streetman, TX 75859-3019

Report Date: November 19, 2001
Sample Receipt Date: November 7, 2001
Analyst: ksf

USEPA Method 1623[1] *Giardia* and *Cryptosporidium* Analytical Report

ASI Sample ID #: 2001-1107-027

Sample Information

Client Sample ID:	BB-11-01 Proto
Collection Date:	November 6, 2001
Collection Time:	0920 hrs
Matrix:	raw surface water
Sample Turbidity (NTU):	6.8
Sample Type[2]:	field

Volume Information

Filter Type:	Gelman Envirochek
Volume Filtered (L):	10.0
Volume Examined (L):	5.6

Analytical Results

ANALYTE	TOTAL MICROSCOPIC COUNT / VOLUME EXAMINED	CALCULATED # / L
Giardia	0	0
Cryptosporidium	0	0

[1] **Method:** Samples processed, stained and examined using USEPA Method 1623: *Cryptosporidium* and *Giardia* in Water by Filtration, Immunomagnetic separation (IMS), and Immunofluorescence Assay (IFA) Microscopy (USEPA).

[2] **Note:** A Matrix Spike (MS) was not performed with this sample. An MS entails spiking and analyzing a separate field sample to determine the effect of the water matrix on the method's oocyst and cyst recovery. MS samples are analyzed when samples are first received from a new source and every 20th sample thereafter. Percent recoveries are calculated for MS samples to evaluate the acceptance criteria of method performance. Calculations are corrected for organisms found in source water.

Analytical Services, Inc.

Client: Tarrant Regional Water District
Address: 140 FM416
Streetman, TX 75859-3019

Report Date: December 17, 2001
Sample Receipt Date: December 5, 2001
Analyst: cjf

USEPA Method 1623[1] *Giardia* and *Cryptosporidium* Analytical Report

ASI Sample ID #: 2001-1205-008

Sample Information

Client Sample ID:	BB-12-01 Proto
Collection Date:	December 4, 2001
Collection Time:	1017 hrs
Matrix:	raw surface water
Sample Turbidity (NTU):	5.73
Sample Type[2]:	field

Volume Information

Filter Type:	Gelman Envirochek
Volume Filtered (L):	10.0
Volume Examined (L):	10.0

Analytical Results

ANALYTE	TOTAL MICROSCOPIC COUNT / VOLUME EXAMINED	CALCULATED # / L
Giardia	0	0
Cryptosporidium	0	0

[1] **Method:** Samples processed, stained and examined using USEPA Method 1623: *Cryptosporidium* and *Giardia* in Water by Filtration, Immunomagnetic separation (IMS), and Immunofluorescence Assay (IFA) Microscopy (USEPA).

[2] **Note:** A Matrix Spike (MS) was not performed with this sample. An MS entails spiking and analyzing a separate field sample to determine the effect of the water matrix on the method's oocyst and cyst recovery. MS samples are analyzed when samples are first received from a new source and every 20th sample thereafter. Percent recoveries are calculated for MS samples to evaluate the acceptance criteria of method performance. Calculations are corrected for organisms found in source water.

Analytical Services, Inc.

Client: Tarrant Regional Water District
Address: 140 FM416
Streetman, TX 75859-3019

Report Date: January 28, 2002
Sample Receipt Date: January 11, 2002
Analyst: cjf

USEPA Method 1623[1] *Giardia* and *Cryptosporidium* Analytical Report

ASI Sample ID #: 2002-0111-004

Sample Information

Client Sample ID:	BB-01-02-Proto
Collection Date:	January 8, 2002
Collection Time:	0935 hrs
Matrix:	raw surface water
Sample Turbidity (NTU):	unknown
Sample Type[2]:	field

Volume Information

Filter Type:	Gelman Envirochek
Volume Filtered (L):	10.0
Volume Examined (L):	10.0

Analytical Results

ANALYTE	TOTAL MICROSCOPIC COUNT / VOLUME EXAMINED	CALCULATED # / L
Giardia	0	0
Cryptosporidium	0	0

[1] **Method:** Samples processed, stained and examined using USEPA Method 1623: *Cryptosporidium* and *Giardia* in Water by Filtration, Immunomagnetic separation (IMS), and Immunofluorescence Assay (IFA) Microscopy (USEPA).

[2] **Note:** A Matrix Spike (MS) was not performed with this sample. An MS entails spiking and analyzing a separate field sample to determine the effect of the water matrix on the method's oocyst and cyst recovery. MS samples are analyzed when samples are first received from a new source and every 20th sample thereafter. Percent recoveries are calculated for MS samples to evaluate the acceptance criteria of method performance. Calculations are corrected for organisms found in source water.

Analytical Services, Inc.

Client: Tarrant Regional Water District
Address: 140 FM416
Streetman, TX 75859-3019

Report Date: February 26, 2002
Sample Receipt Date: February 13, 2002
Analyst: cjf

USEPA Method 1623[1] *Giardia* and *Cryptosporidium* Analytical Report

ASI Sample ID #: 2002-0213-003

Sample Information

Client Sample ID:	BB-02-02-PROT
Collection Date:	February 12, 2002
Collection Time:	1107 hrs
Matrix:	raw surface water
Sample Turbidity (NTU):	26.0
Sample Type[2]:	field

Volume Information

Filter Type:	Gelman Envirochek
Volume Filtered (L):	10.0
Volume Examined (L):	10.0

Analytical Results

ANALYTE	TOTAL MICROSCOPIC COUNT / VOLUME EXAMINED	CALCULATED # / L
Giardia	0	0
Cryptosporidium	0	0

[1] **Method:** Samples processed, stained and examined using USEPA Method 1623: *Cryptosporidium* and *Giardia* in Water by Filtration, Immunomagnetic separation (IMS), and Immunofluorescence Assay (IFA) Microscopy (USEPA).

[2] **Note:** A Matrix Spike (MS) was not performed with this sample. An MS entails spiking and analyzing a separate field sample to determine the effect of the water matrix on the method's oocyst and cyst recovery. MS samples are analyzed when samples are first received from a new source and every 20th sample thereafter. Percent recoveries are calculated for MS samples to evaluate the acceptance criteria of method performance. Calculations are corrected for organisms found in source water.

Analytical Services, Inc.

Client: Tarrant Regional Water District
Address: 140 FM416
Streetman, TX 75859-3019

Report Date: March 19, 2002
Sample Receipt Date: March 6, 2002
Analyst: map

USEPA Method 1623[1] *Giardia* and *Cryptosporidium* Analytical Report

ASI Sample ID #: 2002-0306-012

Sample Information

Client Sample ID:	BB-03-02 Proto
Collection Date:	March 5, 2002
Collection Time:	0930 hrs
Matrix:	raw surface water
Sample Turbidity (NTU):	27.8
Sample Type[2]:	field

Volume Information

Filter Type:	Gelman Envirochek
Volume Filtered (L):	10.0
Volume Examined (L):	10.0

Analytical Results

ANALYTE	TOTAL MICROSCOPIC COUNT / VOLUME EXAMINED	CALCULATED # / L
Giardia	0	0
Cryptosporidium	0	0

[1] **Method:** Samples processed, stained and examined using USEPA Method 1623: *Cryptosporidium* and *Giardia* in Water by Filtration, Immunomagnetic separation (IMS), and Immunofluorescence Assay (IFA) Microscopy (USEPA).

[2] **Note:** A Matrix Spike (MS) was not performed with this sample. An MS entails spiking and analyzing a separate field sample to determine the effect of the water matrix on the method's oocyst and cyst recovery. MS samples are analyzed when samples are first received from a new source and every 20th sample thereafter. Percent recoveries are calculated for MS samples to evaluate the acceptance criteria of method performance. Calculations are corrected for organisms found in source water.

Analytical Services, Inc.

Client: Tarrant Regional Water District
Address: 140 FM416
Streetman, TX 75859-3019

Report Date: April 23, 2002
Sample Receipt Date: April 10, 2002
Analyst: map

USEPA Method 1623[1] *Giardia* and *Cryptosporidium* Analytical Report

ASI Sample ID #: 2002-0410-011

Sample Information

Client Sample ID:	BB-04-02 Proto
Collection Date:	April 9, 2002
Collection Time:	0930 hrs
Matrix:	raw surface water
Sample Turbidity (NTU):	19.8
Sample Type[2]:	field

Volume Information

Filter Type:	Gelman Envirochek
Volume Filtered (L):	10.0
Volume Examined (L):	10.0

Analytical Results

ANALYTE	TOTAL MICROSCOPIC COUNT / VOLUME EXAMINED	CALCULATED # / L
Giardia	0	0
Cryptosporidium	0	0

[1] **Method:** Samples processed, stained and examined using USEPA Method 1623: *Cryptosporidium* and *Giardia* in Water by Filtration, Immunomagnetic separation (IMS), and Immunofluorescence Assay (IFA) Microscopy (USEPA).

[2] **Note:** A Matrix Spike (MS) was not performed with this sample. An MS entails spiking and analyzing a separate field sample to determine the effect of the water matrix on the method's oocyst and cyst recovery. MS samples are analyzed when samples are first received from a new source and every 20th sample thereafter. Percent recoveries are calculated for MS samples to evaluate the acceptance criteria of method performance. Calculations are corrected for organisms found in the corresponding field sample.

Analytical Services, Inc.

Client: Tarrant Regional Water District
Address: 140 FM416
Streetman, TX 75859-30

Report Date: May 22, 2002
Sample Receipt Date: May 8, 2002
Analyst: map

USEPA Method 1623[1] *Giardia* and *Cryptosporidium* Analytical Report

ASI Sample ID #: 2002-0508-008

Sample Information

Client Sample ID:	BB-05-02 Proto
Collection Date:	May 7, 2002
Collection Time:	1000 hrs
Matrix:	raw surface water
Sample Turbidity (NTU):	8.47
Sample Type[2]:	field

Volume Information

Filter Type:	Gelman Envirochek
Volume Filtered (L):	10.0
Volume Examined (L):	10.0

Analytical Results

ANALYTE	TOTAL MICROSCOPIC COUNT / VOLUME EXAMINED	CALCULATED # / L
Giardia	0	0
Cryptosporidium	0	0

[1] **Method:** Samples processed, stained and examined using USEPA Method 1623: *Cryptosporidium* and *Giardia* in Water by Filtration, Immunomagnetic separation (IMS), and Immunofluorescence Assay (IFA) Microscopy (USEPA).

[2] **Note:** A Matrix Spike (MS) was not performed with this sample. An MS entails spiking and analyzing a separate field sample to determine the effect of the water matrix on the method's oocyst and cyst recovery. MS samples are analyzed when samples are first received from a new source and every 20th sample thereafter. Percent recoveries are calculated for MS samples to evaluate the acceptance criteria of method performance. Calculations are corrected for organisms found in the corresponding field sample.

Analytical Services, Inc.

Client: Tarrant Regional Water District
Address: 140 FM416
Streetman, TX 75859-3019

Report Date: June 24, 2002
Sample Receipt Date: June 5, 2002
Analyst: map

USEPA Method 1623[1] *Giardia* and *Cryptosporidium* Analytical Report

ASI Sample ID #: 2002-0605-017

Sample Information

Client Sample ID:	BB-06-02-Proto
Collection Date:	June 4, 2002
Collection Time:	0945 hrs
Matrix:	raw surface water
Sample Turbidity (NTU):	6.80
Sample Type[2]:	field

Volume Information

Filter Type:	Gelman Envirochek
Volume Filtered (L):	10.0
Volume Examined (L):	10.0

Analytical Results

ANALYTE	TOTAL MICROSCOPIC COUNT / VOLUME EXAMINED	CALCULATED # / L
Giardia	0	0
Cryptosporidium	0	0

[1] **Method:** Samples processed, stained and examined using USEPA Method 1623: *Cryptosporidium* and *Giardia* in Water by Filtration, Immunomagnetic separation (IMS), and Immunofluorescence Assay (IFA) Microscopy (USEPA).

[2] **Note:** A Matrix Spike (MS) was not performed with this sample. An MS entails spiking and analyzing a separate field sample to determine the effect of the water matrix on the method's oocyst and cyst recovery. MS samples are analyzed when samples are first received from a new source and every 20th sample thereafter. Percent recoveries are calculated for MS samples to evaluate the acceptance criteria of method performance. Calculations are corrected for organisms found in the corresponding field sample.

Analytical Services, Inc.

Client: Tarrant Regional Water District
Address: 140 FM416
Streetman, TX 75859-3019

Report Date: August 7, 2002
Sample Receipt Date: July 24, 2002
Analyst: map

USEPA Method 1623[1] *Giardia* and *Cryptosporidium* Analytical Report

ASI Sample ID #: 2002-0724-021

Sample Information

Client Sample ID:	BB-07-02 Proto
Collection Date:	July 23, 2002
Collection Time:	0930 hrs
Matrix:	raw surface water
Sample Turbidity (NTU):	7.68
Sample Type[2]:	field

Volume Information

Filter Type:	Gelman Envirochek
Volume Filtered (L):	10.0
Volume Examined (L):	10.0*

Analytical Results

ANALYTE	TOTAL MICROSCOPIC COUNT / VOLUME EXAMINED	CALCULATED # / L
Giardia	0	0
Cryptosporidium	0	0

[1] **Method:** Samples processed, stained and examined using USEPA Method 1623: *Cryptosporidium* and *Giardia* in Water by Filtration, Immunomagnetic separation (IMS), and Immunofluorescence Assay (IFA) Microscopy (USEPA).

[2] **Note:** A Matrix Spike (MS) was not performed with this sample. An MS entails spiking and analyzing a separate field sample to determine the effect of the water matrix on the method's oocyst and cyst recovery. MS samples are analyzed when samples are first received from a new source and every 20th sample thereafter. Percent recoveries are calculated for MS samples to evaluate the acceptance criteria of method performance. Calculations are corrected for organisms found in the corresponding field sample.

***Note:** Two (2) aliquots of 5.0 liters each were examined using IMS and IFA.

Analytical Services, Inc.

Client: Tarrant Regional Water District
Address: 140 FM416
Streetman, TX 75859-3019

Report Date: August 27, 2002
Sample Receipt Date: August 7, 2002
Analyst: ksf

USEPA Method 1623[1] *Giardia* and *Cryptosporidium* Analytical Report

ASI Sample ID #: 2002-0807-010

Sample Information

Client Sample ID:	BB-08-02-Proto
Collection Date:	August 6, 2002
Collection Time:	1030 hrs
Matrix:	raw surface water
Sample Turbidity (NTU):	4.0
Sample Type[2]:	field

Volume Information

Filter Type:	Gelman Envirochek
Volume Filtered (L):	10.0
Volume Examined (L):	10.0*

Analytical Results

ANALYTE	TOTAL MICROSCOPIC COUNT / VOLUME EXAMINED	CALCULATED # / L
Giardia	0	0
Cryptosporidium	0	0

[1] **Method:** Samples processed, stained and examined using USEPA Method 1623: *Cryptosporidium* and *Giardia* in Water by Filtration, Immunomagnetic separation (IMS), and Immunofluorescence Assay (IFA) Microscopy (USEPA).

[2] **Note:** A Matrix Spike (MS) was not performed with this sample. An MS entails spiking and analyzing a separate field sample to determine the effect of the water matrix on the method's oocyst and cyst recovery. MS samples are analyzed when samples are first received from a new source and every 20th sample thereafter. Percent recoveries are calculated for MS samples to evaluate the acceptance criteria of method performance. Calculations are corrected for organisms found in the corresponding field sample.

***Note:** Two (2) aliquots of 5.0 liters each were examined using IMS and IFA.

Analytical Services, Inc.

Client: Tarrant Regional Water District
Address: 140 FM416
Streetman, TX 75859-3019

Report Date: September 30, 2002
Sample Receipt Date: September 11, 2002
Analyst: ksf

USEPA Method 1623[1] *Giardia* and *Cryptosporidium* Analytical Report

ASI Sample ID #: 2002-0911-008

Sample Information

Client Sample ID:	BB-09-02 Proto
Collection Date:	September 10, 2002
Collection Time:	0940 hrs
Matrix:	raw surface water
Sample Turbidity (NTU):	4.0
Sample Type[2]:	field

Volume Information

Filter Type:	Gelman Envirochek
Volume Filtered (L):	10.0
Volume Examined (L):	10.0

Analytical Results

ANALYTE	TOTAL MICROSCOPIC COUNT / VOLUME EXAMINED	CALCULATED # / L
Giardia	0	0
Cryptosporidium	0	0

[1] **Method:** Samples processed, stained and examined using USEPA Method 1623: *Cryptosporidium* and *Giardia* in Water by Filtration, Immunomagnetic separation (IMS), and Immunofluorescence Assay (IFA) Microscopy (USEPA).

[2] **Note:** A Matrix Spike (MS) was not performed with this sample. An MS entails spiking and analyzing a separate field sample to determine the effect of the water matrix on the method's oocyst and cyst recovery. MS samples are analyzed when samples are first received from a new source and every 20th sample thereafter. Percent recoveries are calculated for MS samples to evaluate the acceptance criteria of method performance. Calculations are corrected for organisms found in the corresponding field sample.

Analytical Services, Inc.

Client: Tarrant Regional Water District
Address: 140 FM416
Streetman, TX 75859-3019

Report Date: October 24, 2002
Sample Receipt Date: October 9, 2002
Analyst: map

USEPA Method 1623[1] *Giardia* and *Cryptosporidium* Analytical Report Matrix Spike

ASI Sample ID #: 2002-1009-017

Sample Information

Client Sample ID:	BB-10-02 Proto Dup.
Collection Date:	October 8, 2002
Collection Time:	1000 hrs
Matrix:	raw surface water
Sample Turbidity (NTU):	6.35
Sample Type[2]:	Matrix Spike

Volume Information

Filter Type:	Gelman HV
Volume Filtered (L):	10.0
Volume Examined (L):	10.0*

Analytical Results

ANALYTE	NUMBER OF ORGANISMS SEEDED / LITER	TOTAL MICROSCOPIC COUNT / LITER	PERCENT RECOVERY
Giardia	9.9	3.6	36.4
Cryptosporidium	9.9	5.3	53.5

[1] **Method:** Samples processed, stained and examined using USEPA Method 1623: *Cryptosporidium* and *Giardia* in Water by Filtration, Immunomagnetic separation (IMS), and Immunofluorescence Assay (IFA) Microscopy (USEPA).

[2] **Note:** A Matrix Spike entails spiking and analyzing a separate field sample to determine the effect of the water matrix on the method's oocyst and cyst recovery. MS samples are analyzed when samples are first received from a new source and every 20th sample thereafter. Percent recoveries are calculated for MS samples to evaluate acceptance criteria of method performance. Calculations are corrected for organisms found in the corresponding field sample.

***Note:** Two (2) aliquots of 5.0 liters each were examined using IMS and IFA.

Analytical Services, Inc.

Client: Tarrant Regional Water District
Address: 140 FM416
Streetman, TX 75859-3019

Report Date: October 24, 2002
Sample Receipt Date: October 9, 2002
Analyst: map

USEPA Method 1623[1] *Giardia* and *Cryptosporidium* Analytical Report

ASI Sample ID #: 2002-1009-016

Sample Information

Client Sample ID:	BB-10-02 Proto
Collection Date:	October 8, 2002
Collection Time:	1000 hrs
Matrix:	raw surface water
Sample Turbidity (NTU):	6.35
Sample Type[2]:	field

Volume Information

Filter Type:	Gelman HV
Volume Filtered (L):	10.0
Volume Examined (L):	10.0*

Analytical Results

ANALYTE	TOTAL MICROSCOPIC COUNT / VOLUME EXAMINED	CALCULATED # / L
Giardia	0	0
Cryptosporidium	0	0

[1] **Method:** Samples processed, stained and examined using USEPA Method 1623: *Cryptosporidium* and *Giardia* in Water by Filtration, Immunomagnetic separation (IMS), and Immunofluorescence Assay (IFA) Microscopy (USEPA).

[2] **Note:** A Matrix Spike (MS) was performed with this sample. An MS entails spiking and analyzing a separate field sample to determine the effect of the water matrix on the method's oocyst and cyst recovery. MS samples are analyzed when samples are first received from a new source and every 20th sample thereafter. Percent recoveries are calculated for MS samples to evaluate the acceptance criteria of method performance. Calculations are corrected for organisms found in the corresponding field sample.

***Note:** Two (2) aliquots of 5.0 liters each were examined using IMS and IFA.

Analytical Services, Inc.

Client: Tarrant Regional Water District
Address: 140 FM416
Streetman, TX 75859-3019

Report Date: November 22, 2002
Sample Receipt Date: November 6, 2002
Analyst: cjf

USEPA Method 1623[1] *Giardia* and *Cryptosporidium* Analytical Report

ASI Sample ID #: 2002-1106-018

Sample Information

Client Sample ID:	BB-11-02 Proto
Collection Date:	November 5, 2002
Collection Time:	1030 hrs
Matrix:	raw surface water
Sample Turbidity (NTU):	11.5
Sample Type[2]:	field

Volume Information

Filter Type:	Gelman HV
Volume Filtered (L):	10.0
Volume Examined (L):	10.0

Analytical Results

ANALYTE	TOTAL MICROSCOPIC COUNT / VOLUME EXAMINED	CALCULATED # / L
Giardia	0	0
Cryptosporidium	0	0

[1] **Method:** Samples processed, stained and examined using USEPA Method 1623: *Cryptosporidium* and *Giardia* in Water by Filtration, Immunomagnetic separation (IMS), and Immunofluorescence Assay (IFA) Microscopy (USEPA).

[2] **Note:** A Matrix Spike (MS) was performed with this sample. An MS entails spiking and analyzing a separate field sample to determine the effect of the water matrix on the method's oocyst and cyst recovery. MS samples are analyzed when samples are first received from a new source and every 20th sample thereafter. Percent recoveries are calculated for MS samples to evaluate the acceptance criteria of method performance. Calculations are corrected for organisms found in the corresponding field sample.

Project No.: 2002-1106-017

Analytical Services, Inc.

Client: Tarrant Regional Water District
Address: 140 FM416
Streetman, TX 7859-3019

Report Date: December 16, 2002
Sample Receipt Date: December 4, 2002
Analyst: cjf

USEPA Method 1623[1] *Giardia* and *Cryptosporidium* Analytical Report

ASI Sample ID #: 2002-1204-011

Sample Information

Client Sample ID:	BB-12-02 Proto
Collection Date:	December 3, 2002
Collection Time:	1000 hrs
Matrix:	raw surface water
Sample Turbidity (NTU):	9.85
Sample Type[2]:	field

Volume Information

Filter Type:	Gelman HV
Volume Filtered (L):	10.0
Volume Examined (L):	10.0*

Analytical Results

ANALYTE	TOTAL MICROSCOPIC COUNT / VOLUME EXAMINED	CALCULATED # / L
Giardia	0	0
Cryptosporidium	0	0

[1] **Method:** Samples processed, stained and examined using USEPA Method 1623: *Cryptosporidium* and *Giardia* in Water by Filtration, Immunomagnetic separation (IMS), and Immunofluorescence Assay (IFA) Microscopy (USEPA).

[2] **Note:** A Matrix Spike (MS) was not performed with this sample. An MS entails spiking and analyzing a separate field sample to determine the effect of the water matrix on the method's oocyst and cyst recovery. MS samples are analyzed when samples are first received from a new source and every 20th sample thereafter. Percent recoveries are calculated for MS samples to evaluate the acceptance criteria of method performance. Calculations are corrected for organisms found in the corresponding field sample.

***Note:** Two (2) aliquots of 5.0 liters each were examined using IMS and IFA.

Analytical Services, Inc.

Client: Tarrant Regional Water District
Address: 140 FM416
Streetman, TX 75859-3019

Report Date: January 24, 2003
Sample Receipt Date: January 8, 2003
Analyst: cjf

USEPA Method 1623[1] *Giardia* and *Cryptosporidium* Analytical Report

ASI Sample ID No.: 2003-0108-025

Quality Control Batch No.: 199
Method Blank Laboratory No.: 2003-0108-036
Ongoing Precision and Recovery Laboratory No.: 2003-0108-037

Sample Information

Client Sample ID:	BB-01-03 Proto
Collection Date:	January 7, 2003
Collection Time:	1130 hrs
Matrix:	raw surface water
Sample Turbidity (NTU):	10.2
Sample Type[2]:	field

Volume and Filtration Information

Filter Type:	Gelman HV
Volume Filtered (L):	10.0
Volume Examined (L):	10.0

Analytical Results

ANALYTE	TOTAL MICROSCOPIC COUNT / VOLUME EXAMINED	CALCULATED # / L
Giardia	0	0
Cryptosporidium	0	0

[1] **Method:** Samples processed, stained and examined using USEPA Method 1623: *Cryptosporidium* and *Giardia* in Water by Filtration, Immunomagnetic separation (IMS), and Immunofluorescence Assay (IFA) Microscopy (USEPA).

[2] **Note:** A Matrix Spike (MS) was not performed with this sample. An MS entails spiking and analyzing a separate field sample to determine the effect of the water matrix on the method's oocyst and cyst recovery. MS samples are analyzed when samples are first received from a new source and every 20th sample thereafter. Percent recoveries are calculated for MS samples to evaluate the acceptance criteria of method performance. Calculations are corrected for organisms found in the corresponding field sample.

Analytical Services, Inc.

Client: Tarrant Regional Water District
Address: 140 FM416
Streetman, TX 75859-3019

Report Date: February 20, 2003
Sample Receipt Date: February 5, 2003
Analyst: cjf

USEPA Method 1623[1] *Giardia* and *Cryptosporidium* Analytical Report

ASI Sample ID No.: 2003-0205-018

Quality Control Batch No.: 203-1
Method Blank Laboratory No.: 2003-0205-014
Ongoing Precision and Recovery Laboratory No.: 2003-0205-015

Sample Information

Client Sample ID:	BB-02-03 Proto
Collection Date:	February 4, 2003
Collection Time:	0920 hrs
Matrix:	raw surface water
Sample Turbidity (NTU):	12.1
Sample Type[2]:	field

Volume and Filtration Information

Filter Type:	Gelman HV
Volume Filtered (L):	10.0
Volume Examined (L):	10.0

Analytical Results

ANALYTE	TOTAL MICROSCOPIC COUNT / VOLUME EXAMINED	CALCULATED # / L
Giardia	0	0
Cryptosporidium	0	0

[1] **Method:** Samples processed, stained and examined using USEPA Method 1623: *Cryptosporidium* and *Giardia* in Water by Filtration, Immunomagnetic separation (IMS), and Immunofluorescence Assay (IFA) Microscopy (USEPA).

[2] **Note:** A Matrix Spike (MS) was not performed with this sample. An MS entails spiking and analyzing a separate field sample to determine the effect of the water matrix on the method's oocyst and cyst recovery. MS samples are analyzed when samples are first received from a new source and every 20th sample thereafter. Percent recoveries are calculated for MS samples to evaluate the acceptance criteria of method performance. Calculations are corrected for organisms found in the corresponding field sample.

Analytical Services, Inc.

Client: Tarrant Regional Water District
Address: 140 FM416
Streetman, TX 75859-3019

Report Date: March 20, 2003
Sample Receipt Date: March 5, 2003
Analyst: cjf

USEPA Method 1623[1] *Giardia* and *Cryptosporidium* Analytical Report

ASI Sample ID No.: 2003-0305-019

Quality Control Batch No.: 207-1
Method Blank Laboratory No.: 2003-0305-009
Ongoing Precision and Recovery Laboratory No.: 2003-0305-010

Sample Information

Client Sample ID:	BB-03-03 Proto
Collection Date:	March 4, 2003
Collection Time:	1000 hrs
Matrix:	raw surface water
Sample Turbidity (NTU):	13.8
Sample Type[2]:	field

Volume and Filtration Information

Filter Type:	Gelman HV
Volume Filtered (L):	10.0
Volume Examined (L):	10.0

Analytical Results

ANALYTE	TOTAL MICROSCOPIC COUNT / VOLUME EXAMINED	CALCULATED # / L
Giardia	0	0
Cryptosporidium	0	0

[1] **Method:** Samples processed, stained and examined using USEPA Method 1623: *Cryptosporidium* and *Giardia* in Water by Filtration, Immunomagnetic separation (IMS), and Immunofluorescence Assay (IFA) Microscopy (USEPA).

[2] **Note:** A Matrix Spike (MS) was not performed with this sample. An MS entails spiking and analyzing a separate field sample to determine the effect of the water matrix on the method's oocyst and cyst recovery. MS samples are analyzed when samples are first received from a new source and every 20th sample thereafter. Percent recoveries are calculated for MS samples to evaluate the acceptance criteria of method performance. Calculations are corrected for organisms found in the corresponding field sample.

Analytical Services, Inc.

Client: Tarrant Regional Water District
Address: 140 FM416
Streetman, TX 75859-3019

Report Date: April 24, 2003
Sample Receipt Date: April 9, 2003
Analyst: map

USEPA Method 1623[1] *Giardia* and *Cryptosporidium* Analytical Report

ASI Sample ID No.: 2003-0409-023

Quality Control Batch No.: 212-1
Method Blank Laboratory No.: 2003-0409-020
Ongoing Precision and Recovery Laboratory No.: 2003-0409-021

Sample Information

Client Sample ID:	BB-0403-PROT
Collection Date:	April 8, 2003
Collection Time:	1050 hrs
Matrix:	raw surface water
Sample Turbidity (NTU):	11.5
Sample Type[2]:	field

Volume and Filtration Information

Filter Type:	Gelman HV
Volume Filtered (L):	10.0
Volume Examined (L):	10.0

Analytical Results

ANALYTE	TOTAL MICROSCOPIC COUNT / VOLUME EXAMINED	CALCULATED # / L
Giardia	0	0
Cryptosporidium	0	0

[1] **Method:** Samples processed, stained and examined using USEPA Method 1623: *Cryptosporidium* and *Giardia* in Water by Filtration, Immunomagnetic separation (IMS), and Immunofluorescence Assay (IFA) Microscopy (USEPA).

[2] **Note:** A Matrix Spike (MS) was not performed with this sample. An MS entails spiking and analyzing a separate field sample to determine the effect of the water matrix on the method's oocyst and cyst recovery. MS samples are analyzed when samples are first received from a new source and every 20th sample thereafter. Percent recoveries are calculated for MS samples to evaluate the acceptance criteria of method performance. Calculations are corrected for organisms found in the corresponding field sample.

Analytical Services, Inc.

Client: Tarrant Regional Water District
Address: 140 FM416
Streetman, TX 75859-3019

Report Date: May 21, 2003
Sample Receipt Date: May 7, 2003
Analyst: cjf

USEPA Method 1623[1] *Giardia* and *Cryptosporidium* Analytical Report

ASI Sample ID No.: 2003-0507-045

Quality Control Batch No.: 216
Method Blank Laboratory No.: 2003-0505-005
Ongoing Precision and Recovery Laboratory No.: 2003-0505-006

Sample Information

Client Sample ID:	BB-05-03-Proto
Collection Date:	May 6, 2003
Collection Time:	0930 hrs
Matrix:	raw surface water
Sample Turbidity (NTU):	5.76
Sample Type[2]:	field

Volume and Filtration Information

Filter Type:	Gelman HV
Volume Filtered (L):	10.0
Volume Examined (L):	10.0

Analytical Results

ANALYTE	TOTAL MICROSCOPIC COUNT / VOLUME EXAMINED	CALCULATED # / L
Giardia	0	0
Cryptosporidium	0	0

[1] **Method:** Samples processed, stained and examined using USEPA Method 1623: *Cryptosporidium* and *Giardia* in Water by Filtration, Immunomagnetic separation (IMS), and Immunofluorescence Assay (IFA) Microscopy (USEPA).

[2] **Note:** A Matrix Spike (MS) was not performed with this sample. An MS entails spiking and analyzing a separate field sample to determine the effect of the water matrix on the method's oocyst and cyst recovery. MS samples are analyzed when samples are first received from a new source and every 20th sample thereafter. Percent recoveries are calculated for MS samples to evaluate the acceptance criteria of method performance. Calculations are corrected for organisms found in the corresponding field sample.

Analytical Services, Inc.

Client: Tarrant Regional Water District
Address: 140 FM416
Streetman, TX 75859-3019

Report Date: June 18, 2003
Sample Receipt Date: June 4, 2003
Analyst: cjf

USEPA Method 1623[1] *Giardia* and *Cryptosporidium* Analytical Report

ASI Sample ID No.: 2003-0604-022

Quality Control Batch No.: 220-1
Method Blank Laboratory No.: 2003-0604-016
Ongoing Precision and Recovery Laboratory No.: 2003-0604-015

Sample Information

Client Sample ID:	BB-06-03-Proto
Collection Date:	June 3, 2003
Collection Time:	1010 hrs
Matrix:	raw surface water
Sample Turbidity (NTU):	6.8
Sample Type[2]:	field

Volume and Filtration Information

Filter Type:	Gelman HV
Volume Filtered (L):	10.0
Volume Examined (L):	10.0*

Analytical Results

ANALYTE	TOTAL MICROSCOPIC COUNT / VOLUME EXAMINED	CALCULATED # / L
Giardia	0	0
Cryptosporidium	0	0

[1] **Method:** Samples processed, stained and examined using USEPA Method 1623: *Cryptosporidium* and *Giardia* in Water by Filtration, Immunomagnetic separation (IMS), and Immunofluorescence Assay (IFA) Microscopy (USEPA).

[2] **Note:** A Matrix Spike (MS) was not performed with this sample. An MS entails spiking and analyzing a separate field sample to determine the effect of the water matrix on the method's oocyst and cyst recovery. MS samples are analyzed when samples are first received from a new source and every 20th sample thereafter. Percent recoveries are calculated for MS samples to evaluate the acceptance criteria of method performance. Calculations are corrected for organisms found in the corresponding field sample.

***Note:** Two (2) aliquots of 5.0 liters each were examined using IMS and IFA.

Analytical Services, Inc.

Client:	Tarrant Regional Water District	Report Date:	July 17, 2003
Address:	140 FM416	Sample Receipt Date:	July 9, 2003
	Streetman, TX 75859-3019	Analyst:	cjf

USEPA Method 1623[1] *Giardia* and *Cryptosporidium* Analytical Report

ASI Sample ID No.: 2003-0709-015

Quality Control Batch No.: 225
Method Blank Laboratory No.: 2003-0707-002
Ongoing Precision and Recovery Laboratory No.: 2003-0707-001

Sample Information

Client Sample ID:	BB-07-03-Proto
Collection Date:	July 8, 2003
Collection Time:	0930 hrs
Matrix:	raw surface water
Sample Turbidity (NTU):	6.3
Sample Type[2]:	field

Volume and Filtration Information

Filter Type:	Gelman HV
Volume Filtered (L):	10.0
Volume Examined (L):	10.0*

Analytical Results

ANALYTE	TOTAL MICROSCOPIC COUNT / VOLUME EXAMINED	CALCULATED # / L
Giardia	0.0	0.0
Cryptosporidium	0.0	0.0

[1] **Method:** Samples processed, stained and examined using USEPA Method 1623: *Cryptosporidium* and *Giardia* in Water by Filtration, Immunomagnetic separation (IMS), and Immunofluorescence Assay (IFA) Microscopy (USEPA).

[2] **Note:** A Matrix Spike (MS) was not performed with this sample. An MS entails spiking and analyzing a separate field sample to determine the effect of the water matrix on the method's oocyst and cyst recovery. MS samples are analyzed when samples are first received from a new source and every 20th sample thereafter. Percent recoveries are calculated for MS samples to evaluate the acceptance criteria of method performance. Calculations are corrected for organisms found in the corresponding field sample.

***Note:** Two (2) aliquots of 5.0 liters each were examined using IMS and IFA.

Analytical Services, Inc.

Client:	Tarrant Regional Water District	Report Date:	August 20, 2003
Address:	140 FM416	Sample Receipt Date:	August 6, 2003
	Streetman, TX 75859-3019	Analyst:	cjf

USEPA Method 1623[1] *Giardia* and *Cryptosporidium* Analytical Report

ASI Sample ID No.: 2003-0806-036

Quality Control Batch No.: 229
Method Blank Laboratory No.: 2003-0804-002
Ongoing Precision and Recovery Laboratory No.: 2003-0804-001

Sample Information

Client Sample ID:	BB-08-03-PROT
Collection Date:	August 5, 2003
Collection Time:	0935 hrs
Matrix:	raw surface water
Sample Turbidity (NTU):	5.5
Sample Type[2]:	field

Volume and Filtration Information

Filter Type:	Gelman HV
Volume Filtered (L):	10.0
Volume Examined (L):	10.0*

Analytical Results

ANALYTE	TOTAL MICROSCOPIC COUNT / VOLUME EXAMINED	CALCULATED # / L
Giardia	0	0
Cryptosporidium	0	0

[1] **Method:** Samples processed, stained and examined using USEPA Method 1623: *Cryptosporidium* and *Giardia* in Water by Filtration, Immunomagnetic separation (IMS), and Immunofluorescence Assay (IFA) Microscopy (USEPA).

[2] **Note:** A Matrix Spike (MS) was not performed with this sample. An MS entails spiking and analyzing a separate field sample to determine the effect of the water matrix on the method's oocyst and cyst recovery. MS samples are analyzed when samples are first received from a new source and every 20th sample thereafter. Percent recoveries are calculated for MS samples to evaluate the acceptance criteria of method performance. Calculations are corrected for organisms found in the corresponding field sample.

***Note:** Two (2) aliquots of 5.0 liters each were examined using IMS and IFA.

Analytical Services, Inc.

Client: Tarrant Regional Water District
Address: 140 FM416
Streetman, TX 75859-3019

Report Date: September 26, 2003
Sample Receipt Date: September 10, 2003
Analyst: sec

USEPA Method 1623[1] *Giardia* and *Cryptosporidium* Analytical Report

ASI Sample ID No.: 2003-0910-037

Quality Control Batch No.: 234-1
Method Blank Laboratory No.: 2003-0910-029
Ongoing Precision and Recovery Laboratory No.: 2003-0910-028

Sample Information

Client Sample ID:	BB-09-03-PROTO
Collection Date:	September 9, 2003
Collection Time:	0942 hrs
Matrix:	raw surface water
Sample Turbidity (NTU):	5.36
Sample Type[2]:	field

Volume and Filtration Information

Filter Type:	Gelman HV
Volume Filtered (L):	10.0
Volume Examined (L):	10.0

Analytical Results

ANALYTE	TOTAL MICROSCOPIC COUNT / VOLUME EXAMINED	CALCULATED # / L
Giardia	0	0
Cryptosporidium	0	0

[1] **Method:** Samples processed, stained and examined using USEPA Method 1623: *Cryptosporidium* and *Giardia* in Water by Filtration, Immunomagnetic separation (IMS), and Immunofluorescence Assay (IFA) Microscopy (USEPA).

[2] **Note:** A Matrix Spike (MS) was not performed with this sample. An MS entails spiking and analyzing a separate field sample to determine the effect of the water matrix on the method's oocyst and cyst recovery. MS samples are analyzed when samples are first received from a new source and every 20th sample thereafter. Percent recoveries are calculated for MS samples to evaluate the acceptance criteria of method performance. Calculations are corrected for organisms found in the corresponding field sample.

Analytical Services, Inc.

Client: Tarrant Regional Water District
Address: 140 FM416
Streetman, TX 75859-3019

Report Date: October 20, 2003
Sample Receipt Date: October 8, 2003
Analyst: sec

USEPA Method 1623[1] *Giardia* and *Cryptosporidium* Analytical Report

ASI Sample ID No.: 2003-1008-009

Quality Control Batch No.: 238
Method Blank Laboratory No.: 2003-1006-002
Ongoing Precision and Recovery Laboratory No.: 2003-1006-001

Sample Information

Client Sample ID:	BB-10-03 Proto
Collection Date:	October 7, 2003
Collection Time:	0940 hrs
Matrix:	raw surface water
Sample Turbidity (NTU):	6.06
Sample Type[2]:	field

Volume and Filtration Information

Filter Type:	Gelman HV
Volume Filtered (L):	10.0
Volume Examined (L):	10.0*

Analytical Results

ANALYTE	TOTAL MICROSCOPIC COUNT / VOLUME EXAMINED	CALCULATED # / L
Giardia	0	0
Cryptosporidium	0	0

[1] **Method:** Samples processed, stained and examined using USEPA Method 1623: *Cryptosporidium* and *Giardia* in Water by Filtration, Immunomagnetic separation (IMS), and Immunofluorescence Assay (IFA) Microscopy (USEPA).

[2] **Note:** A Matrix Spike (MS) was not performed with this sample. An MS entails spiking and analyzing a separate field sample to determine the effect of the water matrix on the method's oocyst and cyst recovery. MS samples are analyzed when samples are first received from a new source and every 20th sample thereafter. Percent recoveries are calculated for MS samples to evaluate the acceptance criteria of method performance. Calculations are corrected for organisms found in the corresponding field sample.

***Note:** Two (2) aliquots of 5.0 liters each were examined using IMS and IFA.

Analytical Services, Inc.

Client: Tarrant Regional Water District
Address: 140 FM416
Streetman, TX 75859-3019

Report Date: November 18, 2003
Sample Receipt Date: November 5, 2003
Analyst: sec

USEPA Method 1623[1] *Giardia* and *Cryptosporidium* Analytical Report

ASI Sample ID No.: 2003-1105-011

Quality Control Batch No.: 242
Method Blank Laboratory No.: 2003-1103-002
Ongoing Precision and Recovery Laboratory No.: 2003-1103-001

Sample Information

Client Sample ID:	BB-11-03 Proto
Collection Date:	November 4, 2003
Collection Time:	1045 hrs
Matrix:	raw surface water
Sample Turbidity (NTU):	8.01
Sample Type[2]:	field

Volume and Filtration Information

Filter Type:	Gelman HV
Volume Filtered (L):	10.0
Volume Examined (L):	10.0*

Analytical Results

ANALYTE	TOTAL MICROSCOPIC COUNT / VOLUME EXAMINED	CALCULATED # / L
Giardia	0	0
Cryptosporidium	0	0

[1] **Method:** Samples processed, stained and examined using USEPA Method 1623: *Cryptosporidium* and *Giardia* in Water by Filtration, Immunomagnetic separation (IMS), and Immunofluorescence Assay (IFA) Microscopy (USEPA).

[2] **Note:** A Matrix Spike (MS) was not performed with this sample. An MS entails spiking and analyzing a separate field sample to determine the effect of the water matrix on the method's oocyst and cyst recovery. MS samples are analyzed when samples are first received from a new source and every 20th sample thereafter. Percent recoveries are calculated for MS samples to evaluate the acceptance criteria of method performance. Calculations are corrected for organisms found in the corresponding field sample.

***Note:** Two (2) aliquots of 5.0 liters each were examined using IMS and IFA.

Analytical Services, Inc.

Client: Tarrant Regional Water District
Address: 140 FM416
Streetman, TX 75859-3019

Report Date: December 23, 2003
Sample Receipt Date: December 10, 2003
Analyst: jh

USEPA Method 1623[1] *Giardia* and *Cryptosporidium* Analytical Report

ASI Sample ID No.: 2003-1210-038

Quality Control Batch No.: 247-1
Method Blank Laboratory No.: 2003-1210-036
Ongoing Precision and Recovery Laboratory No.: 2003-1210-035

Sample Information

Client Sample ID:	BB-12-03 Proto
Collection Date:	December 9, 2003
Collection Time:	0945 hrs
Matrix:	raw surface water
Sample Turbidity (NTU):	7.31
Sample Type[2]:	field

Volume and Filtration Information

Filter Type:	Gelman HV
Volume Filtered (L):	10.0
Volume Examined (L):	10.0*

Analytical Results

ANALYTE	TOTAL MICROSCOPIC COUNT / VOLUME EXAMINED	CALCULATED # / L
Giardia	2.0	0.2
Cryptosporidium	0	0

[1] **Method:** Samples processed, stained and examined using USEPA Method 1623: *Cryptosporidium* and *Giardia* in Water by Filtration, Immunomagnetic separation (IMS), and Immunofluorescence Assay (IFA) Microscopy (USEPA).

[2] **Note:** A Matrix Spike (MS) was not performed with this sample. An MS entails spiking and analyzing a separate field sample to determine the effect of the water matrix on the method's oocyst and cyst recovery. MS samples are analyzed when samples are first received from a new source and every 20th sample thereafter. Percent recoveries are calculated for MS samples to evaluate the acceptance criteria of method performance. Calculations are corrected for organisms found in the corresponding field sample.

***Note:** Two (2) aliquots of 5.0 liters each were examined using IMS and IFA.

Project No.: 2003-1210-037

Analytical Services, Inc.

Client: Tarrant Regional Water District
Address: 140 FM416
Streetman, TX 75859-3019

Report Date: January 27, 2004
Sample Receipt Date: January 13, 2004
Analyst: sec

USEPA Method 1623[1] *Giardia* and *Cryptosporidium* Analytical Report

ASI Sample ID No.: 2004-0113-025

Quality Control Batch No.: 252
Method Blank Laboratory No.: 2004-0112-002
Ongoing Precision and Recovery Laboratory No.: 2004-0112-001

Sample Information

Client Sample ID:	BB-01-04-PROT
Collection Date:	January 12, 2004
Collection Time:	1030 hrs
Matrix:	raw surface water
Sample Turbidity (NTU):	11.3
Sample Type[2]:	field

Volume and Filtration Information

Filter Type:	Gelman HV
Volume Filtered (L):	10.0
Volume Examined (L):	10.0*

Analytical Results

ANALYTE	TOTAL MICROSCOPIC COUNT / VOLUME EXAMINED	CALCULATED # / L
Giardia	0	0
Cryptosporidium	0	0

[1] **Method:** Samples processed, stained and examined using USEPA Method 1623: *Cryptosporidium* and *Giardia* in Water by Filtration, Immunomagnetic separation (IMS), and Immunofluorescence Assay (IFA) Microscopy (USEPA).

[2] **Note:** A Matrix Spike (MS) was not performed with this sample. An MS entails spiking and analyzing a separate field sample to determine the effect of the water matrix on the method's oocyst and cyst recovery. MS samples are analyzed when samples are first received from a new source and every 20th sample thereafter. Percent recoveries are calculated for MS samples to evaluate the acceptance criteria of method performance. Calculations are corrected for organisms found in the corresponding field sample.

***Note:** Two (2) aliquots of 5.0 liters each were examined using IMS and IFA.

Analytical Services, Inc.

Client: Tarrant Regional Water District
Address: 140 FM416
Streetman, TX 75859-3019

Report Date: February 18, 2004
Sample Receipt Date: February 4, 2004
Analyst: sec

USEPA Method 1623[1] *Giardia* and *Cryptosporidium* Analytical Report

ASI Sample ID No.: 2004-0204-031

Quality Control Batch No.: 255-1[2]
Method Blank Laboratory No.: 2004-0204-007
Ongoing Precision and Recovery Laboratory No.: 2004-0204-006

Sample Information

Client Sample ID:	BB-02-04-PROTO
Collection Date:	February 3, 2004
Collection Time:	1100 hrs
Matrix:	raw surface water
Sample Turbidity (NTU):	9.01
Sample Type:	field

Volume and Filtration Information

Filter Type:	Gelman HV
Volume Filtered (L):	10.0
Volume Examined (L):	10.0

Analytical Results

ANALYTE	TOTAL MICROSCOPIC COUNT / VOLUME EXAMINED	CALCULATED # / L
Giardia	0	0
Cryptosporidium	0	0

[1] **Method:** Samples processed, stained and examined using USEPA Method 1623: *Cryptosporidium* and *Giardia* in Water by Filtration, Immunomagnetic separation (IMS), and Immunofluorescence Assay (IFA) Microscopy (USEPA).

[2] **Note:** Met applicable Method 1623 acceptance criteria.

Analytical Services, Inc.

Client: Tarrant Regional Water District
Address: 140 FM416
Streetman, TX 75859-3019

Report Date: March 22, 2004
Sample Receipt Date: March 10, 2004
Analyst: jh

USEPA Method 1623[1] *Giardia* and *Cryptosporidium* Analytical Report

ASI Sample ID No.: 2004-0310-020

Quality Control Batch No.: 260-1[2]
Method Blank Laboratory No.: 2004-0310-017
Ongoing Precision and Recovery Laboratory No.: 2004-0310-016

Sample Information

Client Sample ID:	BB-3-04-PROTO
Collection Date:	March 9, 2004
Collection Time:	1030 hrs
Matrix:	raw surface water
Sample Turbidity (NTU):	10.0
Sample Type:	field

Volume and Filtration Information

Filter Type:	Gelman HV
Volume Filtered (L):	10.0
Volume Examined (L):	10.0

Analytical Results

ANALYTE	TOTAL MICROSCOPIC COUNT / VOLUME EXAMINED	CALCULATED # / L
Giardia	0	0
Cryptosporidium	0	0

[1] **Method:** Samples processed, stained and examined using USEPA Method 1623: *Cryptosporidium* and *Giardia* in Water by Filtration, Immunomagnetic separation (IMS), and Immunofluorescence Assay (IFA) Microscopy (USEPA).

[2] **Note:** Met applicable Method 1623 acceptance criteria.

Analytical Services, Inc.

Client: Tarrant Regional Water District
Address: 140 FM416
Streetman, TX 75859-3019

Report Date: April 19, 2004
Sample Receipt Date: April 7, 2004
Analyst: jh

USEPA Method 1623[1] *Giardia* and *Cryptosporidium* Analytical Report

ASI Sample ID No.: 2004-0407-007

Quality Control Batch No.: 264[2]
Method Blank Laboratory No.: 2004-0405-002
Ongoing Precision and Recovery Laboratory No.: 2004-0405-001

Sample Information

Client Sample ID:	BB-4-04-PROTO
Collection Date:	April 6, 2004
Collection Time:	0950hrs
Matrix:	raw surface water
Sample Turbidity (NTU):	9.6
Sample Type:	field

Volume and Filtration Information

Filter Type:	Gelman HV
Volume Filtered (L):	10.0
Volume Examined (L):	10.0

Analytical Results

ANALYTE	TOTAL MICROSCOPIC COUNT / VOLUME EXAMINED	CALCULATED # / L
Giardia	0	0
Cryptosporidium	0	0

[1] **Method:** Samples processed, stained and examined using USEPA Method 1623: *Cryptosporidium* and *Giardia* in Water by Filtration, Immunomagnetic separation (IMS), and Immunofluorescence Assay (IFA) Microscopy (USEPA).

[2] **Note:** Met applicable Method 1623 acceptance criteria.

Project No.: 2004-0407-006

Analytical Services, Inc.

Client: Tarrant Regional Water District
Address: 140 FM416
Streetman, TX 75859-3019

Report Date: May 21, 2004
Sample Receipt Date: May 5, 2004
Analyst: sec

USEPA Method 1623[1] *Giardia* and *Cryptosporidium* Analytical Report

ASI Sample ID No.: 2004-0505-032

Quality Control Batch No.: 268-1[2]
Method Blank Laboratory No.: 2004-0505-020
Ongoing Precision and Recovery Laboratory No.: 2004-0505-019

Sample Information

Client Sample ID:	BB-05-04-PROTO
Collection Date:	May 4, 2004
Collection Time:	0955 hrs
Matrix:	raw surface water
Sample Turbidity (NTU):	5.5
Sample Type:	field

Volume and Filtration Information

Filter Type:	Gelman HV
Volume Filtered (L):	10.0
Volume Examined (L):	10.0

Analytical Results

ANALYTE	TOTAL MICROSCOPIC COUNT / VOLUME EXAMINED	CALCULATED # / L
Giardia	0	0
Cryptosporidium	0	0

[1] **Method:** Samples processed, stained and examined using USEPA Method 1623: *Cryptosporidium* and *Giardia* in Water by Filtration, Immunomagnetic separation (IMS), and Immunofluorescence Assay (IFA) Microscopy (USEPA).

[2] **Note:** Met applicable Method 1623 acceptance criteria.

Project No.: 2004-0505-031

Analytical Services, Inc.

Client: Tarrant Regional Water District
Address: 140 FM416
Streetman, TX 75859-3019

Report Date: June 23, 2004
Sample Receipt Date: June 9, 2004
Analyst: sec

USEPA Method 1623[1] *Giardia* and *Cryptosporidium* Analytical Report Matrix Spike

ASI Sample ID No.: 2004-0609-044

Quality Control Batch No.: 273-2[2]
Method Blank Laboratory No.: 2004-0609-038
Ongoing Precision and Recovery Laboratory No.: 2004-0609-037

Sample Information

Client Sample ID:	BB-06-04-PROTO Matrix Spike
Collection Date:	June 8, 2004
Collection Time:	0936 hrs
Matrix:	raw surface water
Sample Turbidity (NTU):	6.31
Sample Type:	Matrix Spike[3]

Volume and Filtration Information

Filter Type:	Gelman HV
Volume Spiked (L):	10.0
Volume Filtered (L):	10.0
Volume Examined (L):	10.0

Analytical Results

ANALYTE	ESTIMATED NUMBER OF ORGANISMS SPIKED	NUMBER OF ORGANISMS SEEDED / LITER	TOTAL MICROSCOPIC COUNT / LITER	PERCENT RECOVERY
Giardia	99	9.9	5.0	50.5
Cryptosporidium	99	9.9	7.0	70.7

[1] **Method:** Samples processed, stained and examined using USEPA Method 1623: *Cryptosporidium* and *Giardia* in Water by Filtration, Immunomagnetic separation (IMS), and Immunofluorescence Assay (IFA) Microscopy (USEPA).

[2] **Note:** Met applicable Method 1623 acceptance criteria.

[3] **Note:** A Matrix Spike entails spiking and analyzing a separate field sample to determine the effect of the water matrix on the method's oocyst and cyst recovery. MS samples are analyzed when samples are first received from a new source and every 20th sample thereafter. Percent recoveries are calculated for MS samples to evaluate acceptance criteria of method performance. Calculations are corrected for organisms found in the corresponding field sample.

Analytical Services, Inc.

Client: Tarrant Regional Water District
Address: 140 FM416
Streetman, TX 75859-3019

Report Date: June 23, 2004
Sample Receipt Date: June 9, 2004
Analyst: sec

USEPA Method 1623[1] *Giardia* and *Cryptosporidium* Analytical Report

ASI Sample ID No.: 2004-0609-043

Quality Control Batch No.: 273-2[2]
Method Blank Laboratory No.: 2004-0609-038
Ongoing Precision and Recovery Laboratory No.: 2004-0609-037

Sample Information

Client Sample ID:	BB-06-04-PROTO
Collection Date:	June 8, 2004
Collection Time:	0936 hrs
Matrix:	raw surface water
Sample Turbidity (NTU):	6.31
Sample Type:	field

Volume and Filtration Information

Filter Type:	Gelman HV
Volume Filtered (L):	10.0
Volume Examined (L):	10.0

Analytical Results

ANALYTE	TOTAL MICROSCOPIC COUNT / VOLUME EXAMINED	CALCULATED # / L
Giardia	0	0
Cryptosporidium	0	0

[1] **Method:** Samples processed, stained and examined using USEPA Method 1623: *Cryptosporidium* and *Giardia* in Water by Filtration, Immunomagnetic separation (IMS), and Immunofluorescence Assay (IFA) Microscopy (USEPA).

[2] **Note:** Met applicable Method 1623 acceptance criteria.

Analytical Services, Inc.

Client: Tarrant Regional Water District
Address: 140 FM416
Streetman, TX 75859-3019

Report Date: July 20, 2004
Sample Receipt Date: July 7, 2004
Analyst: cjf

USEPA Method 1623[1] *Giardia* and *Cryptosporidium* Analytical Report

ASI Sample ID No.: 2004-0707-048

Quality Control Batch No.: 277[2]
Method Blank Laboratory No.: 2004-0706-002
Ongoing Precision and Recovery Laboratory No.: 2004-0706-001

Sample Information

Client Sample ID:	BB-7-04-PROTO
Collection Date:	July 6, 2004
Collection Time:	0950 hrs
Matrix:	raw surface water
Sample Turbidity (NTU):	6.05
Sample Type:	field

Volume and Filtration Information

Filter Type:	Gelman HV
Volume Filtered (L):	10.0
Volume Examined (L):	10.0*

Analytical Results

ANALYTE	TOTAL MICROSCOPIC COUNT / VOLUME EXAMINED	CALCULATED # / L
Giardia	0	0
Cryptosporidium	0	0

[1] **Method:** Samples processed, stained and examined using USEPA Method 1623: *Cryptosporidium* and *Giardia* in Water by Filtration, Immunomagnetic separation (IMS), and Immunofluorescence Assay (IFA) Microscopy (USEPA).

[2] **Note:** Met applicable Method 1623 acceptance criteria.

***Note:** Two (2) aliquots of 5.0 liters each were examined using IMS and IFA.

Analytical Services, Inc.

Client: Tarrant Regional Water District
Address: 140 FM416
Streetman, TX 75859-3019

Report Date: August 18, 2004
Sample Receipt Date: August 4, 2004
Analyst: jh

USEPA Method 1623[1] *Giardia* and *Cryptosporidium* Analytical Report

ASI Sample ID No.: 2004-0804-025

Quality Control Batch No.: 281-1[2]
Method Blank Laboratory No.: 2004-0804-022
Ongoing Precision and Recovery Laboratory No.: 2004-0804-021

Sample Information

Client Sample ID:	BB-08-04-PROTO
Collection Date:	August 3, 2004
Collection Time:	0915 hrs
Matrix:	raw surface water
Sample Turbidity (NTU):	5.96
Sample Type:	field

Volume and Filtration Information

Filter Type:	Gelman HV
Volume Filtered (L):	10.0
Volume Examined (L):	10.0*

Analytical Results

ANALYTE	TOTAL MICROSCOPIC COUNT / VOLUME EXAMINED	CALCULATED # / L
Giardia	0	0
Cryptosporidium	0	0

[1] **Method:** Samples processed, stained and examined using USEPA Method 1623: *Cryptosporidium* and *Giardia* in Water by Filtration, Immunomagnetic separation (IMS), and Immunofluorescence Assay (IFA) Microscopy (USEPA).

[2] **Note:** Met applicable Method 1623 acceptance criteria.

***Note:** Two (2) aliquots of 5.0 liters each were examined using IMS and IFA.

Analytical Services, Inc.

Client: Tarrant Regional Water District
Address: 140 FM416
Streetman, TX 75859-3019

Report Date: September 27, 2004
Sample Receipt Date: September 8, 2004
Analyst: sec

USEPA Method 1623[1] *Giardia* and *Cryptosporidium* Analytical Report

ASI Sample ID No.: 2004-0908-014

Quality Control Batch No.: 286[2]
Method Blank Laboratory No.: 2004-0907-002
Ongoing Precision and Recovery Laboratory No.: 2004-0907-001

Sample Information

Client Sample ID:	BB-09-04-PROTO
Collection Date:	September 7, 2004
Collection Time:	1010 hrs
Matrix:	raw surface water
Sample Turbidity (NTU):	6.81
Sample Type:	field

Volume and Filtration Information

Filter Type:	Gelman HV
Volume Filtered (L):	10.0
Volume Examined (L):	10.0*

Analytical Results

ANALYTE	TOTAL MICROSCOPIC COUNT / VOLUME EXAMINED	CALCULATED # / L
Giardia	0	0
Cryptosporidium	0	0

[1] **Method:** Samples processed, stained and examined using USEPA Method 1623: *Cryptosporidium* and *Giardia* in Water by Filtration, Immunomagnetic separation (IMS), and Immunofluorescence Assay (IFA) Microscopy (USEPA).

[2] **Note:** Met applicable Method 1623 acceptance criteria.

***Note:** Two (2) aliquots of 5.0 liters each were examined using IMS and IFA.

Analytical Services, Inc.

Client: Tarrant Regional Water District
Address: 140 FM416
Streetman, TX 75859-3019

Report Date: October 26, 2004
Sample Receipt Date: October 6, 2004
Analyst: jh

USEPA Method 1623[1] *Giardia* and *Cryptosporidium* Analytical Report

ASI Sample ID No.: 2004-1006-043

Quality Control Batch No.: 290-2[2]
Method Blank Laboratory No.: 2004-1006-038
Ongoing Precision and Recovery Laboratory No.: 2004-1006-037

Sample Information

Client Sample ID:	BB 10-04 PROTO
Collection Date:	October 5, 2004
Collection Time:	1010 hrs
Matrix:	raw surface water
Sample Turbidity (NTU):	16.3
Sample Type:	field

Volume and Filtration Information

Filter Type:	Gelman HV
Volume Filtered (L):	10.0
Volume Examined (L):	10.0*

Analytical Results

ANALYTE	TOTAL MICROSCOPIC COUNT / VOLUME EXAMINED	CALCULATED # / L
Giardia	0	0
Cryptosporidium	0	0

[1] **Method:** Samples processed, stained and examined using USEPA Method 1623: *Cryptosporidium* and *Giardia* in Water by Filtration, Immunomagnetic separation (IMS), and Immunofluorescence Assay (IFA) Microscopy (USEPA).

[2] **Note:** Met applicable Method 1623 acceptance criteria.

***Note:** Two (2) aliquots of 5.0 liters each were examined using IMS and IFA.

Analytical Services, Inc.

Client: Tarrant Regional Water District
Address: 140 FM416
Streetman, TX 75859-3019

Report Date: November 19, 2004
Sample Receipt Date: November 3, 2004
Analyst: cjf

USEPA Method 1623[1] *Giardia* and *Cryptosporidium* Analytical Report

ASI Sample ID No.: 2004-1103-043

Quality Control Batch No.: 294-1[2]
Method Blank Laboratory No.: 2004-1103-037
Ongoing Precision and Recovery Laboratory No.: 2004-1103-036

Sample information

Client Sample ID:	BB-11-04-PROTO
Collection Date:	November 2, 2004
Collection Time:	0915 hrs
Matrix:	raw surface water
Sample Turbidity (NTU):	11.4
Sample Type:	field

Volume and Filtration Information

Filter Type:	Gelman HV
Volume Filtered (L):	10.0
Volume Examined (L):	10.0*

Analytical Results

ANALYTE	TOTAL MICROSCOPIC COUNT / VOLUME EXAMINED	CALCULATED # / L
Giardia	0	0
Cryptosporidium	0	0

[1] **Method:** Samples processed, stained and examined using USEPA Method 1623: *Cryptosporidium* and *Giardia* in Water by Filtration, Immunomagnetic separation (IMS), and Immunofluorescence Assay (IFA) Microscopy (USEPA).

[2] **Note:** Met applicable Method 1623 acceptance criteria.

***Note:** Two (2) aliquots of 5.0 liters each were examined using IMS and IFA.

Analytical Services, Inc.

Client: Tarrant Regional Water District
Address: 140 FM416
Streetman, TX 75859-3019

Report Date: December 20, 2004
Sample Receipt Date: December 8, 2004
Analyst: ekg

USEPA Method 1623[1] *Giardia* and *Cryptosporidium* Analytical Report

ASI Sample ID No.: 2004-1208-036

Quality Control Batch No.: 299-1[2]
Method Blank Laboratory No.: 2004-1208-026
Ongoing Precision and Recovery Laboratory No.: 2004-1208-025

Sample Information

Client Sample ID:	BB-12-04-PROT
Collection Date:	December 7, 2004
Collection Time:	1002 hrs
Matrix:	raw surface water
Sample Turbidity (NTU):	8.37
Sample Type:	field

Volume and Filtration Information

Filter Type:	Gelman HV
Volume Filtered (L):	10.0
Volume Examined (L):	10.0*

Analytical Results

ANALYTE	TOTAL MICROSCOPIC COUNT / VOLUME EXAMINED	CALCULATED # / L
Giardia	0	0
Cryptosporidium	0	0

[1] **Method:** Samples processed, stained and examined using USEPA Method 1623: *Cryptosporidium* and *Giardia* in Water by Filtration, Immunomagnetic separation (IMS), and Immunofluorescence Assay (IFA) Microscopy (USEPA).

[2] **Note:** Met applicable Method 1623 acceptance criteria.

***Note:** Two (2) aliquots of 5.0 liters each were examined using IMS and IFA.

Analytical Services, Inc.

Client: Tarrant Regional Water District
Address: 140 FM416
Streetman, TX 75859-3019

Report Date: January 20, 2005
Sample Receipt Date: January 5, 2005
Analyst: ekg

USEPA Method 1623[1] *Giardia* and *Cryptosporidium* Analytical Report

ASI Sample ID No.: 2005-0105-039

Quality Control Batch No.: 303-1[2]
Method Blank Laboratory No.: 2005-0105-036
Ongoing Precision and Recovery Laboratory No.: 2005-0105-035

Sample Information

Client Sample ID:	BB-01-05-PROTO
Collection Date:	January 4, 2005
Collection Time:	1000 hrs
Matrix:	raw surface water
Sample Turbidity (NTU):	21.4
Sample Type:	field

Volume and Filtration Information

Filter Type:	Gelman HV
Volume Filtered (L):	10.0
Volume Examined (L):	10.0*

Analytical Results

ANALYTE	TOTAL MICROSCOPIC COUNT / VOLUME EXAMINED	CALCULATED # / L
Giardia	0	0
Cryptosporidium	0	0

[1] **Method:** Samples processed, stained and examined using USEPA Method 1623: *Cryptosporidium* and *Giardia* in Water by Filtration, Immunomagnetic separation (IMS), and Immunofluorescence Assay (IFA) Microscopy (USEPA).

[2] **Note:** Met applicable Method 1623 acceptance criteria.

***Note:** Two (2) aliquots of 5.0 liters each were examined using IMS and IFA.

Analytical Services, Inc.

Client: Tarrant Regional Water District
Address: 140 FM416
Streetman, TX 75859-3019

Report Date: March 3, 2005
Sample Receipt Date: February 9, 2005
Analyst: jh

USEPA Method 1623[1] *Giardia* and *Cryptosporidium* Analytical Report

ASI Sample ID No.: 2005-0209-050

Quality Control Batch No.: 308-1[2]
Method Blank Laboratory No.: 2005-0209-032
Ongoing Precision and Recovery Laboratory No.: 2005-0209-031

Sample Information

Client Sample ID:	BB-02-05-PROTO
Collection Date:	February 8, 2005
Collection Time:	1015 hrs
Matrix:	raw surface water
Sample Turbidity (NTU):	18.0
Sample Type:	field

Volume and Filtration Information

Filter Type:	Gelman HV
Volume Filtered (L):	10.0
Volume Examined (L):	10.0

Analytical Results

ANALYTE	TOTAL MICROSCOPIC COUNT / VOLUME EXAMINED	CALCULATED # / L
Giardia	0	0
Cryptosporidium	0	0

[1] **Method:** Samples processed, stained and examined using USEPA Method 1623: *Cryptosporidium* and *Giardia* in Water by Filtration, Immunomagnetic separation (IMS), and Immunofluorescence Assay (IFA) Microscopy (USEPA, June 2003).

[2] **Note:** Met applicable Method 1623 acceptance criteria.